

## ABSTRACT OF THE DISCLOSURE

1           An ultrasonic revascularizer for creating holes or openings in the heart to  
revascularize infarcted or blocked areas to create collateral blood flow to the damaged  
area of the heart is described which includes an elongated handle having an elongated  
5 flexible tubular neck extending from one end thereof. An enlarged depth guard is  
provided at the distal end of the neck and has an ultrasonic needle selectively  
longitudinally movably extending therethrough. A manual control in the form of a slide  
button is movably mounted in the handle and is operatively connected to the needle for  
controlling the longitudinal movement of the needle with respect to the depth guard. A  
10 depth gauge is provided on the handle adjacent the slide button which indicates the  
longitudinal position of the needle with respect to the depth guard. The needle is  
operatively connected to a source of ultrasonic power for ultrasonically driving the  
needle. In the revascularizer of this invention, the depth of the hole or opening in the  
15 heart is easily controllable.